

GenCore version 5.1.3
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: October 11, 2002, 08:22:11 : Search time 17 Seconds
(without alignments)
186.784 Million cell updates/sec

Title: US-09-818-954A-1

Perfect score: 722

Sequence: 1 MLIAPFLPMLALLAGYC.....VAIRCDGACSTATTCERT 130

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PTUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	178	24.7	149	1	US-08-425-673-5
2	170	23.5	104	4	US-08-918-288-74
3	170	23.5	104	4	US-09-282-357-74
4	170	23.5	108	4	US-08-918-288-73
5	170	23.5	108	4	US-09-282-357-73
6	170	23.5	111	4	US-08-918-288-72
7	170	23.5	111	4	US-09-282-357-72
8	164	22.7	222	4	US-08-918-288-30
9	164	22.7	222	4	US-09-282-357-30
10	164	22.7	223	4	US-08-918-288-27
11	164	22.7	223	4	US-09-282-357-27
12	164	22.7	229	4	US-08-918-288-12
13	164	22.7	229	4	US-09-282-357-12
14	162	22.4	234	4	US-08-918-288-9
15	162	22.4	234	4	US-09-282-357-9
16	161	22.3	111	1	US-08-425-673-3
17	161	22.3	111	1	US-08-425-673-4
18	157	21.7	181	4	US-08-918-288-36
19	157	21.7	181	4	US-09-282-357-36
20	156	21.6	131	6	5177193-3
21	155	21.5	114	4	US-08-918-288-71
22	155	21.5	114	4	US-09-282-357-71
23	155	21.5	234	4	US-08-918-288-6
24	155	21.5	234	4	US-08-918-288-21
25	155	21.5	234	4	US-08-918-288-24
26	155	21.5	234	4	US-09-282-357-6
27	155	21.5	234	4	US-09-282-357-21

28	155	21.5	234	4	US-09-282-357-24	Sequence 24, Appl
29	155	21.5	237	4	US-08-918-288-18	Sequence 18, Appl
30	155	21.5	237	4	US-09-282-357-18	Sequence 18, Appl
31	155	21.5	265	4	US-08-918-288-39	Sequence 3, Appl1
32	155	21.5	265	4	US-08-918-288-39	Sequence 3, Appl1
33	155	21.5	265	4	US-09-282-357-3	Sequence 39, Appl
34	155	21.5	265	4	US-09-282-357-39	Sequence 3, Appl1
35	152	21.1	165	2	US-08-709-924-2	Sequence 39, Appl
36	152	21.1	165	2	US-08-709-925-2	Sequence 2, Appl1
37	152	21.1	165	4	US-08-709-948-2	Sequence 2, Appl1
38	151	20.9	237	4	US-08-918-288-15	Sequence 15, Appl
39	151	20.9	237	4	US-09-282-357-15	Sequence 15, Appl
40	145.5	20.2	307	4	US-08-804-166-4	Sequence 4, Appl1
41	145.5	20.2	307	4	US-08-910-991-4	Sequence 4, Appl1
42	144	19.9	145	1	US-08-298-189B-1	Sequence 1, Appl1
43	143	19.8	114	4	US-08-918-288-69	Sequence 69, Appl
44	143	19.8	114	4	US-09-282-357-69	Sequence 69, Appl
45	143	19.8	145	1	US-08-475-213-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-08-425-673-5
: Sequence 5, Application US/08425673
: Patent No. 5508261
: GENERAL INFORMATION:
: APPLICANT: Moyle, William R.
: APPLICANT: Campbell, Robert K.
: TITLE OF INVENTION: Analogs of Glycoprotein Hormones Having
: TITLE OF INVENTION: Altered Receptor Binding Specificity and Activity and
: TITLE OF INVENTION: Methods for Preparing and Using Same
: NUMBER OF SEQUENCES: 12
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Richard R. Muccino
: STREET: P.O. Box 1267
: CITY: Princeton
: STATE: New Jersey
: COUNTRY: USA
: ZIP: 08551
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/425,673
: FILING DATE:
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/717,151
: FILING DATE: 18-JUN-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Muccino, Richard R.
: REGISTRATION NUMBER: 32,538
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (609) 466-3407
: TELEFAX: (609) 466-2760
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 149 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: Peptide
: HYPOTHEICAL: NO
: ANTI-SENSE: NO
: US-08-425-673-5

Query Match 24.7%; Score 178; DB 1; Length 149;
Best local Similarity 35.8%; Pred. No. 2.1e-12;
Matches 39; Conservative 13; Mismatches 41; Indels 16; Gaps 4;

APPLICATION NUMBER: US/09/282.357
FILING DATE:
CLASSIFICATION: 536
Prior APPLICATION DATA:
APPLICATION NUMBER: 08/918,288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 23500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 73:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-282-357-73

Query Match 23.5%, Score 170; DB 4; Length 108;
Best Local Similarity 37.5%; Pred. No. 1,le-11;
Matches 36; Conservative 14; Mismatches 38; Indels 8; Gaps 4;

OY 36 CAVREFTLAKPGRCGRIRITTDACW--GRCETWKRPILP--PIIEAHRKCTYNRIQ 91
| : | : | | | | | : | : | : | : | : | : | : | : | : | : | : | :
DB 3 CELNITTAIVEKECG-GPCITINTWCAGCYTRDLVYKKDPARPKIQ--KTCTPEKLIV 58
OY 92 VTVKLPNCAPGVDPFYTYPAVIRCDGCASPTATEC 127
||::||| ||::||| ||::||| ||::||| ||::||| ||::||| ||::||| ||::|||
Db 59 ETVRYPGCAHHADSLTTPVATQCCHGCKDSBSTDIC 94

RESULT 6
US-08-918-288-72
Sequence 72, Application US/08918288
Patent No. 6238890
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
City: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
CLASSIFICATION:
Prior APPLICATION DATA:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:

```
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
;
; TELEX:
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 111 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-918-288-72

Query Match
Best Local Similarity 23.5%; Score 170; DB 4; Length 111;
Matches 36; Conservative 14; Mismatches 38; Indels 8; Gaps 4;

OY 36 CAVREFTFLAKKPGCGRLRTTDAW--GRCETWEKPILEP--PYLEAHHRVCTYNETKQ 91
DB 3 CELTNTITIAVEKGC-GFCITINTWCAGYCYTRDLVYKDPARKIQ---KTCTFRELIV 58
OY 92 VTWKLPNCARGVDPEYTYTPVALRCDCGACSTATTEC 127
DB 59 ETWRVPGCAHHAHDSLYTPVATQCHGKCDSDSTDC 94

RESULT 7
US-09-282-357-72
; Sequence 72, Application US/09282357
; Patent No. 6242580
; GENERAL INFORMATION:
; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/282,357
; FILING DATE:
; CLASSIFICATION: 536
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/918,288
; FILING DATE: 25 AUG-1997
; APPLICATION NUMBER: 08/853,524
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: 08/199,382
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
; TELEX:
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 111 amino acids
; TYPE: amino acid
```

```
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-282-357-72

Query Match
Best Local Similarity 23.5%; Score 170; DB 4; Length 111;
Matches 36; Conservative 14; Mismatches 38; Indels 8; Gaps 4;

OY 36 CAVREFTFLAKKPGCGRLRTTDAW--GRCETWEKPILEP--PYLEAHHRVCTYNETKQ 91
DB 3 CELTNTITIAVEKGC-GFCITINTWCAGYCYTRDLVYKDPARKIQ---KTCTFRELIV 58
OY 92 VTWKLPNCARGVDPEYTYTPVALRCDCGACSTATTEC 127
DB 59 ETWRVPGCAHHAHDSLYTPVATQCHGKCDSDSTDC 94

RESULT 8
US-08-918-288-30
; Sequence 30, Application US/08918288
; Patent No. 6238890
; GENERAL INFORMATION:
; APPLICANT: BOIME, Irving
; APPLICANT: MOYLE, William R.
; TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
; TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW, suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/918,288
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 09/282,357
; FILING DATE:
; APPLICATION NUMBER: 08/853,524
; FILING DATE: 09-MAY-1997
; APPLICATION NUMBER: 08/199,382
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Murashige, Kate H
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 29500-20050.25
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-887-1500
; TELEFAX: 202-887-0763
; TELEX:
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 222 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: Internal
US-08-918-288-30

Query Match
Best Local Similarity 22.7%; Score 164; DB 4; Length 222;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

OY 36 CAVREFTFLAKKPGCR-GRLRTTDAWCGRCETWEKPILEP--PYLEAHHRVCTYNETKQV 92
```

Db 21 CELTNTITAIKEBRCFCISINTWACAGCYTRDLVYKDPARPKIO---KCTFRELVE 77
Qy 93 TVKLPCNCAVGDPFTYTPVAIRCDGACSTATTEC 127
Db 78 TVRPVGCANHADSLTYTPVATQCHGKCDSDSDTC 112

RESULT 9
US-09-282-357-30

Sequence 30, Application US/09282357
Patent No. 6242580
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282,357
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/918,288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 222 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-282-357-30

Query Match 22.7%; Score 164; DB 4; Length 222;
Best Local Similarity 36.8%; Pred. No. 1.2e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

Qy 36 CAVREFTLAKKPGCR-GLRITTDACMGRCETWEKPILEP--PYEANHRYCTVNETKOV 92
Db 21 CELTNTITAIKEBRCFCISINTWACAGCYTRDLVYKDPARPKIO---KCTFRELVE 77
Qy 93 TVKLPCNCAVGDPFTYTPVAIRCDGACSTATTEC 127
Db 78 TVRPVGCANHADSLTYTPVATQCHGKCDSDSDTC 112

RESULT 10

US-08-918-288-27

Sequence 27, Application US/08918288
Patent No. 6238890
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-918-288-27

Query Match 22.7%; Score 164; DB 4; Length 223;
Best Local Similarity 36.8%; Pred. No. 1.2e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

Qy 36 CAVREFTLAKKPGCR-GLRITTDACMGRCETWEKPILEP--PYEANHRYCTVNETKOV 92
Db 21 CELTNTITAIKEBRCFCISINTWACAGCYTRDLVYKDPARPKIO---KCTFRELVE 77
Qy 93 TVKLPCNCAVGDPFTYTPVAIRCDGACSTATTEC 127
Db 78 TVRPVGCANHADSLTYTPVATQCHGKCDSDSDTC 112

RESULT 11
US-09-282-357-27

Sequence 27, Application US/09282357
Patent No. 6242580
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282,357
FILING DATE:
CLASSIFICATION: 536
Prior Application Data:
APPLICATION NUMBER: 08/918,288
FILING DATE: 25 AUG-1997
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-282-357-27

Query Match      22.7%; Score 164; DB 4; Length 223;
Best local Similarity 36.8%; Pred. No. 1.2e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

QY 36 CAVREFFLAKKPCGR-GRLTTDACWGRCETWEKPILEP--PYIAHHRVCTYNKQV 92
DB 21 CELTNTITIAIEKEECRCISINTTWCAGYCYTRDLVYKDPARKIQ---KTCTFKELVYE 77
QY 93 TVKLPMCAFGVDPFFTYTPVAIRCDGACGASTATTEC 127
DB 78 TVRVPGCAHHADSLVYTPVATQCHGCKDSDSTDC 112

RESULT 12
US-08-918-288-12
Sequence 12, Application US/08918288
Patent No. 6238890
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
```

```

COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
CLASSIFICATION:
Prior Application Data:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 229 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-918-288-12

Query Match      22.7%; Score 164; DB 4; Length 229;
Best local Similarity 36.8%; Pred. No. 1.3e-10;
Matches 35; Conservative 14; Mismatches 40; Indels 6; Gaps 3;

QY 36 CAVREFFLAKKPCGR-GRLTTDACWGRCETWEKPILEP--PYIAHHRVCTYNKQV 92
DB 21 CELTNTITIAIEKEECRCISINTTWCAGYCYTRDLVYKDPARKIQ---KTCTFKELVYE 77
QY 93 TVKLPMCAFGVDPFFTYTPVAIRCDGACGASTATTEC 127
DB 78 TVRVPGCAHHADSLVYTPVATQCHGCKDSDSTDC 112

RESULT 13
US-09-282-357-12
Sequence 12, Application US/09282357
Patent No. 6242580
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTET
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/282,357
FILING DATE:
CLASSIFICATION: 536
Prior Application Data:
APPLICATION NUMBER: 08/918,288
```

; INFORMATION FOR SEQ ID NO: 9

